## APPLICATION FOR PERMIT TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office	
Retu	rned to applicant for correction.
	ected application filed.
Мар	filed JUL 2 5 1980 under 41890
	The applicant Sunoco Energy Development Company
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	12700 Park Central Pl., Box 9, Suite 1500 Dallas Street and No. or P.O. Box No.  City or Town
	[exas (75251) , hereby make application for permission to appropriate the public State and Zip Code No.
	ers of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorpora-
	if a copartnership or association, give names of members.) Incorporated January 2, 1975
	in the State of Delaware
1.	The source of the proposed appropriation is Underground Well No. 24-8  Name of stream, lake or other source.
2.	The amount of water applied for is.  3.25  One second-foot equals 448.83 gals, per min.
	One second-foot equals 448.83 gals, per min.  (a) If stored in reservoir give number of acre-feet
3.	The water to be used for Industrial
	Irrigation, power, mining, manufacturing, domestic, or other use. Must limit to one use.  If use is for:
	(a) Irrigation (state number of acres to be irrigated)
	(b) Stockwater (state number and kinds of animals to be watered)
	(c) Other use (describe fully under "No. 12. Remarks")
	(d) Power:
	(1) Horsepower developed
	(2) Point of return of water to stream
5	The water is to be diverted from its source at the following point: SW4 NW4 Section 8, T24N, R37E,
ì	M.D.B.&M., or at a point from which the Northwest corner of Section 5, T24N, R37E  Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land,  M.D.B.&M. bears, N 07 <sup>0</sup> 01' 43" W 7,726.0 feet
6.	it should be stated.  Place of use Section 32, T25N, R37E, M.D.B.&M., Sections 4, 5, 6, 7, 8, 17, 18, 19,
	Describe by legal subdivision, if on unsurveyed land it should be so stated.  20, 21, T24N, R37E, M.D.B.&M., Aections 12, 13, 24, T24N, R36E, M.D.B.&M.
7.	Use will begin about January 1 and end about December 31, of each year.  Month and Day Month and Day
8.	Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and
	specifications of your diversion or storage works.) Drill well to approximately 6000 feet,
	install casing and cement back to surface to protect fresh water zones. Hot  State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.
	water or steam will flow through pipeline to electric plant.
	the state of the s

9.	Estimated cost of works\$500,000
10.	Estimated time required to construct works. Two Years
11.	Estimated time required to complete the application to beneficial use Five Years
12.	Remarks: For use other than irrigation or stock watering, state number and type of units to be served or annual consumptive use.
	This application is for a geothermal well with a production of 2.1 million gallons per day. The withdrawal will be 2352 acre feet per year; however, the high temperature water would be flashed with the net effect of 210,000 gallons per day being beneficially used and the remaining water returned to the reservoir so only 235 acre feet per year is actually used.  This application is commingled with other applications.
App	licantSUNOCO.ENERGY.DEVELOPMENTCOMPANY.
Com	Bys/Richard W. ArdenRichard W. ArdenRichard W. Arden, Agent Richard W. Arden, Agent pared bc/bl 950 Industrial Way
	<del>Spar</del> ks, Nevada (89431)
	OF STATE ENGINEER
follo	This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the wing limitations and conditions:
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The	amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and
not t	o exceedcubic feet per second
Actu	al construction work shall begin on or before
	f of commencement of work shall be filed before
	k must be prosecuted with reasonable diligence and be completed on or before
Proc	f of completion of work shall be filed before
App	lication of water to beneficial use shall be made on or before
Proc	of of the application of water to beneficial use shall be filed on or before
Мар	in support of proof of beneficial use shall be filed on or before
Com	mencement of work filed
	ITALYEN BY APPLICANT Issued A.D. 19
4	Morstate Engineer State Engineer